

1 ABSTRACT

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3 A hydraulic motor comprising a housing having a fluid inlet. A fluid outlet and a cavity there
4 between, a pair of intermeshing gear elements rotatable in the housing about mutually parallel
5 axes. Each of the gear elements having a set of gear teeth disposed about the periphery of the
6 element and a support shaft extending from oppositely directed end faces of the set of gear teeth.
7 A bearing assembly located on opposite sides of the cavity in said housing to support the shafts
8 for rotation about respective ones of the axes. Each of the bearing assemblies having a sealing
9 face overlying the end faces and biased into engage with the end faced by a pressure
10 compensating seal located between the bearing and the housing. The sealing face having a
11 channel extending partially about the spindle and in fluid communication with the inlet to
12 introduce fluid under pressure between the faces.

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